

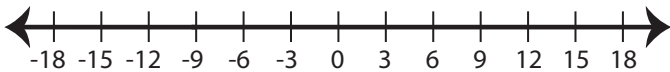
Name : _____

Score : _____

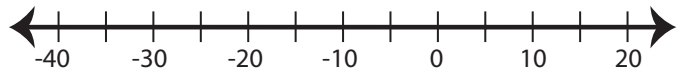
Solving & Graphing Inequalities

Solve each problem and graph the solutions.

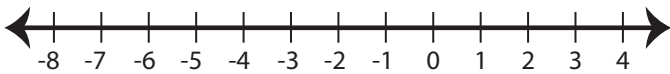
1) $x + 9 > 6$ or $x - 1 \leq -10$



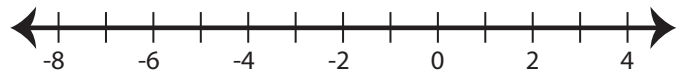
2) $x - 2 \leq 3$ and $\frac{x}{7} > -5$



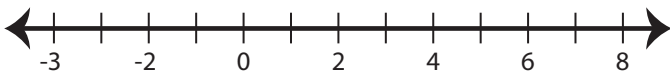
3) $4x < 8$ and $\frac{x}{3} \leq -2$



4) $x + 11 > 9$ or $8x \geq -24$



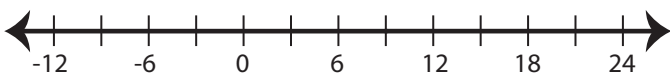
5) $\frac{x}{2} \leq 1$ or $x + 9 > 14$



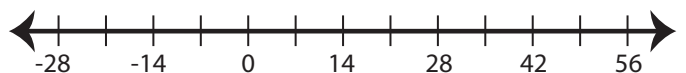
6) $-4 < 2x \leq 16$



7) $3 \leq x - 6 < 12$



8) $x + 12 \geq 5$ and $\frac{x}{2} > 7$

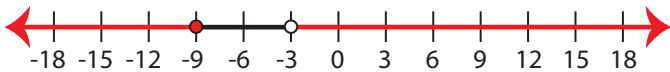


Answer key

Solve each problem and graph the solutions.

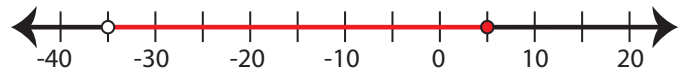
1) $x + 9 > 6$ or $x - 1 \leq -10$

$x \leq -9$ or $x > -3$



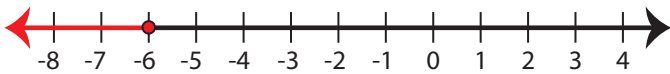
2) $x - 2 \leq 3$ and $\frac{x}{7} > -5$

$x > -35$ and $x \leq 5$



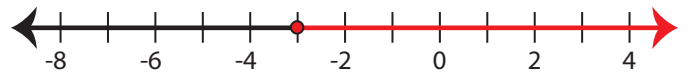
3) $4x < 8$ and $\frac{x}{3} \leq -2$

$x \leq -6$



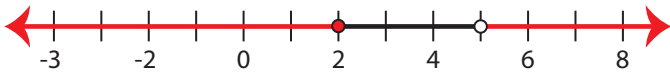
4) $x + 11 > 9$ or $8x \geq -24$

$x \geq -3$



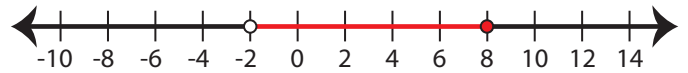
5) $\frac{x}{2} \leq 1$ or $x + 9 > 14$

$x \leq 2$ or $x > 5$



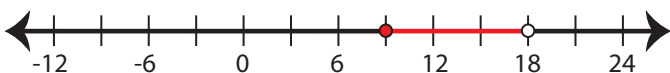
6) $-4 < 2x \leq 16$

$-2 < x \leq 8$



7) $3 \leq x - 6 < 12$

$9 \leq x < 18$



8) $x + 12 \geq 5$ and $\frac{x}{2} > 7$

$x > 14$

